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USB 80-M-005
18 July 1980

25X1A MEMORANDUM FOR: Director, [REDACTED]

INFO : Chief, OC-FND/FEB

FILE

25X1A FROM :

25X1A SUBJECT : [REDACTED] Air Conditioning (U)

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1. Recent commercial power outages have surfaced an additional air-conditioning problem [REDACTED]. When commercial power drops, there is an 8-10 second delay before the generators get up-to-speed and switch on-line. During that time, the air-conditioner logic and timers reset and, when power returns, a wait of approximately 6 minutes is required before the system begins to operate. This length of time will allow the temperature of the chilled water to rise to somewhere between 50 and 55 degrees. In normal operation, the logic will sequence on the A/C compressors one at a time. Since the last modification performed by the contractor, the compressors have been coming back on-line two at a time, with about one second delay between each pair. (U/AIUO)

2. Normally, there would be no problem with this sequence of operation, but when it occurs while on generator power, the total starting current plus the normal station load exceeds the capacity of the generator. The generator slows down and unacceptable frequency variations occur. (U/AIUO)

3. The above has been discussed with members of your Engineering Staff. The purpose of this memorandum is to formally request expeditious help in the resolution of this problem, since operation in this mode could potentially damage other equipment eventually leading to a complete station shutdown. (U/AIUO)

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Distribution:

Original - Addressee

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